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☐	L1	CB/ior-CEA.1	4

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#2	Search **Gailondo**	12:25:24	0
#1	Search **CB/ior-CEA.1**	12:24:50	0

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Search	Most Recent Queries	Time	Result
#1	Search **CB/ior-CEA.1**	12:24:50	0

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NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
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NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS	28	DEC 04	LINPADOCDB now available on STN

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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* *

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The normal schedule for STN maintenance downtime (22:00 to 01:00) will resume on December 22.

* *

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FILE 'CAPLUS' ENTERED AT 12:31:39 ON 14 DEC 2007
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FILE LAST UPDATED: 13 Dec 2007 (20071213/ED)

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```
=> s CB/ior-CEA.1
'IOR-CEA.1' IS NOT A VALID FIELD CODE
L1            0 CB/IOR-CEA.1

=> s (CB/ior CEA.1)
MISSING OPERATOR

=> s (CB/ior and CEA.1)
'IOR' IS NOT A VALID FIELD CODE
              0 CB/IOR
           6890 CEA
            204 CEAS
           7071 CEA
                  (CEA OR CEAS)
        9418668 1
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            23 CEA.1
                 (CEA(W)1)
L2           0 (CB/IOR AND CEA.1)

=> s (CB and ior and CEA.1)
         14051 CB
          4649 CBS
         18336 CB
                 (CB OR CBS)
           192 IOR
             7 IORS
           198 IOR
                 (IOR OR IORS)
          6890 CEA
           204 CEAS
          7071 CEA
                 (CEA OR CEAS)
       9418668 1
            23 CEA.1
                 (CEA(W)1)
L3           3 (CB AND IOR AND CEA.1)

=> duplicate remove L3
PROCESSING COMPLETED FOR L3
L4             3 DUPLICATE REMOVE L3 (0 DUPLICATES REMOVED)

=> d L4 bib abs 1-3

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2007 ACS on STN
AN   2003:892815  CAPLUS
DN   139:380012
TI   Specific antibody fragments for the human carcinoembryonic antigen (CEA)
IN   Gavilondo Cowley, Jorge Victor; Ayala Avila, Marta; Freyre Almeida, Freya
     de los Milagros; Acevedo Castro, Boris Ernesto; Bell Garcia, Hanssel;
     Roque Navarro, Lourdes Tatiana; Gonzalez Lopez, Luis Javier; Cremata
     Alvarez, Jose Alberto; Montesino Segui, Raquel
PA   Centro de Ingenieria Genetica y Biotecnologia, Cuba
SO   PCT Int. Appl., 49 pp.
     CODEN: PIXXD2
DT   Patent
LA   Spanish
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     --------------      ----   --------    --------------------    --------
PI   WO 2003093315        A2    20031113    WO 2003-CU5             20030428
     WO 2003093315        A3    20040108
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2482411           A1    20031113    CA 2003-2482411         20030428
     AU 2003223831        A1    20031117    AU 2003-223831          20030428
     BR 2003004649        A     20040720    BR 2003-4649            20030428
     EP 1505076           A2    20050209    EP 2003-720119          20030428
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     CN 1649901           A     20050803    CN 2003-809658          20030428
     JP 2006500913        T     20060112    JP 2004-501454          20030428
```

	RU 2294939	C2	20070310	RU 2004-134601	20030428
	ZA 2004008720	A	20060329	ZA 2004-8720	20041027
	MX 2004PA10695	A	20050217	MX 2004-PA10695	20041028
	US 2005158322	A1	20050721	US 2005-511794	20050317
	US 2007199078	A1	20070823	US 2007-731442	20070330
PRAI	CU 2002-86	A	20020429		
	WO 2003-CU5	W	20030428		
	US 2005-511794	A3	20050317		

AB The invention relates to mono- and bivalent (diabody) single-chain Fv-type (scFv) antibody fragments which are obtained using recombinant DNA techniques from the carcinoembryonic anti-antigen (CEA) monoclonal antibody (McA) CB/ior-CEA.1. The aforementioned McA has a high affinity for the CEA and is used in the diagnosis and monitoring of colorectal tumors in humans. As with the original McA, diabody and monovalent scFv fragments exhibit high affinities for the human CEA and recognize an epitope that is dependent on carbohydrate conservation. The diabody and monovalent scFv fragments have affinity consts. for the CEA of (5.0 ± 0.4) x 109 L mol-1 and (2.8 ± 0.3) x 1010 L mol-1 resp. The two aforementioned fragments do not display cross-reactivity with normal human tissues and cells, except for the normal colonic mucosa where the CEA is occasionally present. Said fragments can be produced through expression in recombinant micro-organisms from the cloning of nucleic acid sequences that code for variable regions obtained from the hybridoma that is produced by the CB/ior-CEA.1 McA. As with the original McA, the diabody and the monovalent scFv have a capacity for the in vivo identification in rats of human CEA-producing cells which grow forming tumors. The monovalent scFv and diabody do not possess Fc domains and the mol. sizes of said monovalent scFv and diabody are 5 and 2.5 times, resp., less than the rat McA. As a result, the aforementioned monovalent scFv and diabody can better penetrate tissues in vivo and are less immunogenic in humans.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:122152 CAPLUS
DN 116:122152
TI Primer design for the cloning of immunoglobulin heavy-chain leader-variable regions from mouse hybridoma cells using the PCR
AU Coloma, Maria J.; Larrick, James W.
CS Genelabs, Inc., Redwood City, CA, 94063, USA
SO BioTechniques (1991), 11(2), 152-4, 156
CODEN: BTNQDO; ISSN: 0736-6205
DT Journal
LA English
AB To facilitate the rapid cloning and sequencing of rearranged murine heavy-chain variable regions, a set of universal primers was designed using conserved sequences of leader (signal peptide), framework one and constant regions of the Ig heavy-chain genes. RNA was extracted from the mouse hybridoma cells secreting monoclonal antibodies: IOR-T3 (anti-CD3), C6 (anti-P1 of N. meningitidis B385), IOR-T1 (anti-CD6), CB-CEA.1 (anti-carcinoembryonic antigen), CB-Fib.1 (anti-human fibrin) and CB-Hep.2 (anti-hepatitis B surface antigen). First-strand cDNA was synthesized and amplified using PCR. The primers successfully amplified correct size fragments from cDNA prepared from all hybridomas. These methods will facilitate the cloning and sequencing of mouse Ig variable regions.

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:56891 CAPLUS
DN 114:56891
TI Specific amplification of rearranged immunoglobulin variable region genes from mouse hybridoma cells
AU Gavilondo-Cowley, Jorge V.; Coloma, Maria J.; Vazquez, Javier; Ayala, Marta; Macias, Amparo; Fry, Kirk E.; Larrick, James W.

CS Div. Hybridomas Anim. Models, Cent. Genet. Eng. Biotechnol., Havana, Cuba
SO Hybridoma (1990), 9(5), 407-17
CODEN: HYBRDY; ISSN: 0272-457X
DT Journal
LA English
AB This article describes how the polymerase chain reaction (PCR) and primers designed for conserved sequences of leader (L), framework one (FR1) and constant (CONST) regions of Ig light and heavy chain genes can be used for the cloning and sequencing of rearranged antibody variable regions from mouse hybridoma cells. RNA was extracted from the mouse hybridoma cells secreting MAbs: IOR-T3a (anti-CD3), C6 (anti-P1 of Neisseria meningitidis B385), IOR-T1 (anti-CD6), CB-CEA .1 (anti-carcinoembryonic antigen), and CB-Fib.1 (anti-human fibrin). First strand cDNA was synthesized and amplified using PCR. The newly designed primers are superior to others reported recently in the literature. Isolated PCR DNA fragments of C6 and IOR-T3a were sequenced after asym. amplification, or M13 cloning. The FR1/CONST primer combinations selectively amplified mouse light chains of groups kappa II, V, and VI, and heavy chains of groups IIa and IIc. The L/CONST primers for light chains amplified light chains from all 4 hybridomas. The methods greatly facilitate structural and functional studies of antibodies by reducing the efforts required to clone and sequence their variable regions.